

Birmingham Ceremonies Limited
Alexander Stadium

Perry Reservoir Pyrotechnics

Operations Plan

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BIRMINGHAM
CEREMONIES

Ceremonies – HT4 Compound, Ops Plan

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1. EVENT SUMMARY

1.1 BIRMINGHAM 2022

The Commonwealth Games started in 1930 and has since been held every four years, with a break for World War II. The Games have grown continuously since then and now feature 6,600 sports men and women from across 72 nations and territories. Underpinned by the core values of humanity, equality and destiny, the Games aim to unite the Commonwealth family through a glorious festival of sport. Often referred to as the 'Friendly Games', the event is renowned for inspiring athletes to compete in the spirit of friendship and fair play.

The 2022 Games will be the first time the West Midlands has played host to the event, following London 1934 and Manchester 2002. As preparations for the Birmingham 2022 Commonwealth Games take shape, the West Midlands becomes part of a lasting legacy that displays world-class teamwork, athleticism and friendship.

The Birmingham 2022 Organising Committee (the "Organising Committee") is responsible for the planning and operational delivery of the Games. CGF Partnerships (CGFP) is also involved in the staging of the Games, particularly in relation to generating commercial income, and is a joint venture between CGF and SportFive which seeks to identify sustainable and long-term commercial partnerships that will also benefit the delivery of future editions of the Commonwealth Games.

1.2 BIRMINGHAM CEREMONIES LIMITED

The Organising Committee has appointed Birmingham Ceremonies Limited ("Birmingham Ceremonies") to produce the Birmingham 2022 Commonwealth Games Opening and Closing Ceremonies (the "Ceremonies").

1.3 CEREMONIES DATES

The Birmingham 2022 Commonwealth Games Opening Ceremony will take place on **Thursday 28 July 2022**

The Birmingham 2022 Commonwealth Games Closing Ceremony will take place on **Monday 8 August 2022**

1.4 CEREMONIES VENUE

The Ceremonies shall take place at the Alexander Stadium, Walsall Rd, Perry Bar, Birmingham, B42 2LR, UK.

2. INTRODUCTION

This Operations Plan details the infrastructure, location and safety precautions relating to the firing of HT3 75mm and 100mm aerial shells from a modular pontoon located on the Perry Reservoir.

3. CURRENT REGULATION AND REFERENCES

The main UK legislation relevant to this document is:

The Explosives Regulations 2014, No. 1638

Pyrotechnic Articles (Safety) Regulations 2015, No. 1553

4. COMMON TERMS AND ACRONYMS

HT3 - Hazard Type 3; An explosive which, as a result of, or as a result of any effect of, the conditions of its storage or process of manufacture, has a fire hazard and either a minor blast hazard or a minor projectile hazard, or both, but does not have a mass explosion hazard' (ie those explosives which give rise to considerable radiant heat or which burn to produce a minor blast or projection hazard);

HT 4 – Hazard Type 4; small and medium stadium pyrotechnics and other effects posing a limited hazard, which 'has a fire or slight explosion hazard, or both, with only local effect'. (i.e. those explosives which present only a low hazard in the event of ignition or initiation, where no significant blast or projection of fragments of appreciable size or range is expected).

5. PROPOSED LOCATION

The proposed location for the firing pontoon is to the East of the Alexander Stadium on the Perry reservoir. Please refer to the attached plan for exact location.

6. INFRASTRUCTURE

The pontoon will be constructed from 0.5m x 1m commercially available pontoon sections. The entire firing structure will be created with the following infrastructure:

- Modular Pontoon (approx 6m x 5m);
- 12mm Plywood top surface
- 4 x corner tethers
- 1 x Powder Fire Extinguisher and 1 x Water Fire Extinguisher;
- First Aid Kit to include burns kit;
- Telehandler to load the pontoon onto the Reservoir;
- Power (2kw Petrol Generator);
- Shelter – 1 x 3m pop-up tent
- Fencing surrounding the compound perimeter to ensure only authorised access to the working area and to enforce the above separation distances.

7. KEY DATES

21st July – Pontoon delivery, construction & flotation

22nd July – Installation of pyro racks and mortar tubes

24th July – Firing of rehearsal shells

26th July – Firing of rehearsal shells

27th July – Loading of Opening Ceremony shells & weather protecting, safety checks

28th July – Fire Opening Ceremony Show, make safe

8th August – Load and fire Closing Ceremony Show, make safe

9th August – Removal of all equipment. Removal of debris. Leave site.

8. KEY STAKEHOLDERS

The following stakeholders have been identified as requiring engagement in this proposal;

West Midlands Fire Service

West Midlands Police

Birmingham City Council; Licensing, Venue Ownership

Birmingham City Council; Birmingham resilience team

Birmingham City Council; Inclusive growth, planning & development

Birmingham City Council; City Design and Conservation Team

Birmingham City Council; Flood Risk Management

Birmingham City Council; Inclusive growth Directorate

Birmingham City Council; Department of Parks Services

Birmingham City Council; Highways

B2022 Organising Committee Functional Areas; SEC, VDO, VMA, H&S

Birmingham Ceremonies Limited Departments; OPS, TEC

9. ACCESS & ACCREDITATION

Persons with access to the fenced operational area and pontoon will have specific accreditation to allow them access; to be issued accreditation the persons will have to have completed a full induction. The amount of people given accreditation will be also kept to the minimum required. Persons who require access will be from the following companies / organisations;

- Ceremonies Technical and Operations Departments;
- Ceremonies' contracted Firework Supplier (Titanium Fireworks);

10. RISK MANAGEMENT (FULL RAMS PACKAGE TO BE ISSUED IN DUE COURSE)

- Predominantly 75mm shells with remainder 100mm
- Deliveries, handling and storage conducted under relevant regulations.
- Redundant show design to allow curtailment of larger shells or longer effects depending on prevailing wind conditions
- Shells loaded individually.
- All pyrotechnic material stored in UN boxes.
- Area to be properly fenced and patrolled by security to prevent unauthorised access.

11. NEXT STEPS

- Meeting with all relevant stakeholders to discuss proposal and seek agreement in principle subject to RAMS.

Note: This meeting should be held in conjunction with the Operations Plan proposal for Pyrotechnic Storage room in Alexander Stadium, West Stand and the Operations Plan proposal for Pyrotechnic Compound adjacent to the GMAC.

12. FURTHER INFORMATION

- Site Plans - This plan provides information on the location of the reservoir adjacent to the Alexander Stadium Grounds and details of infrastructure.
- Risk Assessment & Method Statements - This plan provides information on the method and operation of the reservoir area and pontoon and will be issued upon agreement in principal of proposals with stakeholders.